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Atty. Docket No.: P67089US0

**IN THE CLAIMS:**

Please amend the claims as follows:

Claims 1-10 (Canceled).

11. (Previously Presented) A method of setting up and using a computer-assisted memory translation scheme for translating a sentence between a source language and a target language comprising the steps of:

setting up a translation memory system with a plurality of templates using reduced latent semantic vector space; and

performing a translation process using said translation memory system and a determination of common subsequences between the sentence and the plurality of templates, said step of performing the translation process including,

finding a subset of templates having closest similarity to the sentence based on a similarity measurement of the reduced latent semantic vector space;

selecting, from said subset, a set of items having a heaviest weighted common subsequence between said sentence and said subset of templates; and

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selecting, from the set of items, a template closest to said sentence as a sentence translation, said step of selecting a template further including,

choosing a syntactically valid path in a target language template;

registering the sentence into source language template,  $t$ , by combining each pair of matched terms into a proper template node to obtain a new source language template structure  $t_x$ ;

if the path chosen is a correct translation of the sentence, editing template  $t_x$  so that each path of template  $t_x$  represents a correct sentence having a same meaning as the sentence, and replacing the template  $t$  in the database with the new template  $t_x$ ; and

if the path chosen is not a correct translation of the sentence, obtaining a new target language template structure  $t_y$  so that each path of  $t_y$  is a correct translation of the sentence, editing  $t_x$  so that each path of  $t_x$  represents a correct sentence having a same meaning as the sentence, and adding together  $t_y$  and  $t_x$  and inserting the sum as a new item in the database.

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12. (Previously Presented) The method as set forth in claim 11, wherein said step of setting up a translation memory system includes the steps of:

preprocessing text to identify word and noun phrases, and assigning weights to the words within each template;

constructing system terms by setting up a term list and choosing global weights for the terms on the term list;

assigning normalized latent semantic vectors of the templates; and

setting up a reduced latent semantic vector space.

13. (Previously Presented) The method as set forth in claim 12, wherein said global weights are set to "1" by default.

14. (Previously Presented) The method as set forth in claim 12, wherein said global weights are set up using one of uniform weighting, domain specific weighting and entropy weighting.

15. (Previously Presented) The method as set forth in claim 12, wherein the step of setting up a reduced latent semantic vector space is performed using a singular value decomposition algorithm.

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16. (Previously Presented) The method as set forth in claim 11, further comprising the step of editing the templates in both the source and target languages to reflect the sentence translation and improve the database.

17. (Previously Presented) The method as set forth in claim 11, further comprising the step of determining a total weight of that portion of the template including the heaviest weighted common subsequence.

Claims 18-20 (Canceled).